BULBOSTYLIS BARBATA, (CYPERACEAE), PREVIOUSLY UNREPORTED FOR TEXAS

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ABSTRACT

Bulbostylis barbata (Rottb.) Clarke in Hook. f., previously unreported in Texas has been found in Newton County.

KEY WORDS: Bulbostylis, Bulbostylis barbata, Cyperaceae, Texas

There are at least 80 species of Bulbostylis, primarily on dry sandy situations in the warm temperate or tropical regions of the world. There are 26 species found in North America (Kral 1971). Four species are now present in Texas: Bulbostylis barbata (Rottb.) Clarke in Hook. f., B. capillaris (L.) Clarke in Hook. f., B. ciliatifolia (Ell.) Fern. var. coarctata (Ell.) Kral, and B. juncoides (Vahl) Kükenthal. Neither Correll & Johnston (1970), Kral (1971), Gould (1975), nor Hatch et al. (1990) have listed Bulbostylis barbata as occurring in Texas.

Kral (1971) stated that in North America Bulbostylis barbata is essentially a Coastal Plain weed, being a frequent invader of cultivated ground and common enough on sandy fields in late summer to form a reddish brown carpet of inflorescences. He goes on to state that it appears rapidly to be expanding its range in the southeastern United States. This range extension supports his observation. The following key will help differentiate this distinct taxon from the other Bulbostylis species in Texas.

KEY TO TEXAS BULBOSTYLIS

- - 2. Achene faces with conspicuous horizontal lines; achenes conspicuously truncate apically, obtriangular, 0.9-1.5 mm long; plants perennial; plants of the Llano Uplift and of the Trans-Pecos. B. juncoides

Specimen collected: UNITED STATES. Texas: Newton Co., ca. 25 m SE from the junction of Hwy 692 and Spur 135 in River Bend, 22 September 1992, J.K. Wipff 2413 & E.J. Taylor (BRIT/SMU). It was locally frequent growing on disturbed areas along the W side of a small ditch with running water in strongly acid sand of the Rayburn-Tehran-Kisatchie Association. The elevation of the site is ca. 33 m (110 feet) with the geology being of the Catahoula Formation (Ms) (Oligocene). Associated taxa: Carex longii Mackenzie, Cyperus compressus L., C. haspan L., C. polystachyos Rottb., Dactyloctenium aegytium (L.) P. Beauv., Eleusine indica (L.) Gaertn., Fimbristylis miliacea (L.) Vahl, Kyllinga odorata Vahl, K. pumila Michx., Myriophyllum aquaticum (Vell.) Verd., and Sacciolepis indica (L.) Chase.

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